

Work Order ID 118914

May-06-14 8:06:52 AM

118914

Page 1

Item ID: D4387-043 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Harness Assembly
 Start Date: 5/05/14 Start Qty: 8.00 ***8*** Cust Item ID:
 Required Date: 5/05/14 Req'd Qty: 8.00 ***8*** Customer:
 Reference:

Approvals: Process Plan: MLJ Date: 14-05-07 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D4387	D								

100 0.00

100

Purchasing Memo 0.00
 Purchasing Issue P/O: 24148
 P/N: 4173-2-031-2396
 Possible supplier: Amsafe
 Certificate of conformaty is required

CX 14/05/09 8

110 0.00

110

Packaging Memo 0.00
 Packaging Ensure certificate of conformity is attached

8X 8014-6-5

120 0.00

120

QC Memo 0.00
 Quality Control

Shf
4/6/13

8

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Work Order ID 118914

118914

Page 2

May-06-14 8:06:52 AM

Item ID: D4387-043 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Harness Assembly
 Start Date: 5/05/14 Start Qty: 8.00 ***8*** Cust Item ID:
 Required Date: 5/05/14 Req'd Qty: 8.00 ***8*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150	Identify as per dwg & Stock Location: <u>ST</u>	0.00							
150									
Packaging	Memo	0.00				<u>8X</u>	<u>DAS</u>	<u>JUN 13 2014</u>	
Packaging							<u>28</u>		
							<u>9-89</u>		
160	QC21- Final Inspection - Work Order Release	0.00							
160									
QC	Memo	0.00				<u>MLJ</u>	<u>14-06-16</u>		
Quality Control									

MLJ 14-06-16

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Picklist Print

Page 1

May-06-14 8:06:51 AM

Work Order ID: 118914

118914

Parent Item: D4387-043

D4387-043

Parent Item Name: Harness Assembly

Start Date: 5/05/14

Required Date: 5/05/14

Start Qty: 8.00

Required Qty: 8.00

Comments: IPP rev A 11.05.25 new issue EC verified by:DD
13.04.08 AS PER DWG REV.D DD VERF:JLM

IPP REV:B

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
4173-2-031-2396		Purchased		No			Each	0.0000		8			

4173-2-031-2396

Harness Assembly

8x SP14-6-5-

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

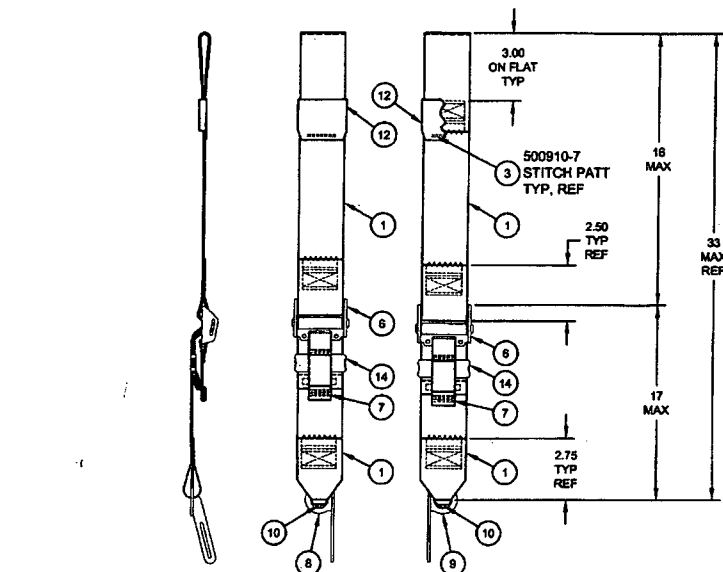
Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

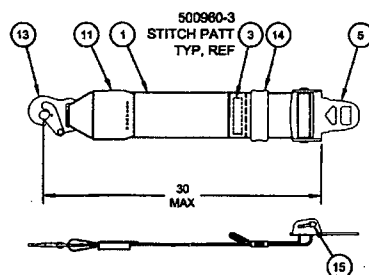
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other _____ _____ _____
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SPECIFICATION CONTROL DRAWING

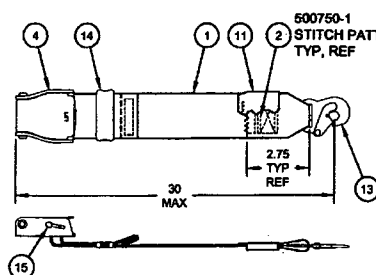


D4387-7

D4387-5



D4387-3



D4387-1

D4387-041 HARNESS ASSEMBLY

ITEM	QTY -041	QTY -1	QTY -3	QTY -5	QTY -7	DART P/N	DESCRIPTION	AMSAFE P/N OR MATERIAL P/N
	X					D4387-041	HARNESS ASSEMBLY	4192-1-021-2396
1		X				D4387-1	BUCKLE HALF	4192-2010212396
2			X			D4387-3	CONNECTOR HALF	4192-2030212396
3				X		D4387-5	SHOULDER STRAP	4192-2050212396
4					X	D4387-7	SHOULDER STRAP	4192-2080212396
1		A/R	A/R	A/R	A/R		WEBBING, POLYESTER	T1200-5
2							THREAD	207
3		A/R	A/R	A/R	A/R		THREAD	69
4		1					BUCKLE ASSY	502750-401
5			1				CONNECTOR ASSY	504458-417-72
6				1	1		ADJUSTER ASSY	503050-409
7				1	1		PULL TAB	500976-425
8					1		ADAPTER, HARNESS	505122-2-72
9				1			ADAPTER, HARNESS	505122-1-72
10				1	1		INSERT	AFG0566293
11		1	1				LABEL	447664
12				1	1		LABEL	447664
13		1	1				HOOK ASSY	502737-441-72
14		1	1	1	1		WEB SLIDE	503964-1
15		2	2				PLUG	502913

NOTES:

1) PURCHASE: D4387-041-1/31-5/7 FROM AMSAFE INC., Phoenix, AZ.

2) FINISH: N/A

3) TOLERANCES: .XX ±0.25

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: N/A

6) IDENTIFICATION: USE PLASTIC ENGRAVED TAGS AND LABEL PER FAR 21.607 TO CONTAIN THE FOLLOWING AT MINIMUM:

MANUFACTURER P/N: 4192-1-021-2396

CUSTOMER P/N: D4387-041

RATED: 3000 LBS DATE OF MFG

CONFORMS TO FAA TSO-C114

7) WEIGHT: 1.75 lb

8) INDICATED DIMS ARE FULLY EXTENDED LENGTHS

SHOP COPY

RETURN TO

ENGINEERING

UNCONTROLLED COPY

SUBJECT TO AMENDMENT

WITHOUT NOTICE

WORK ORDER

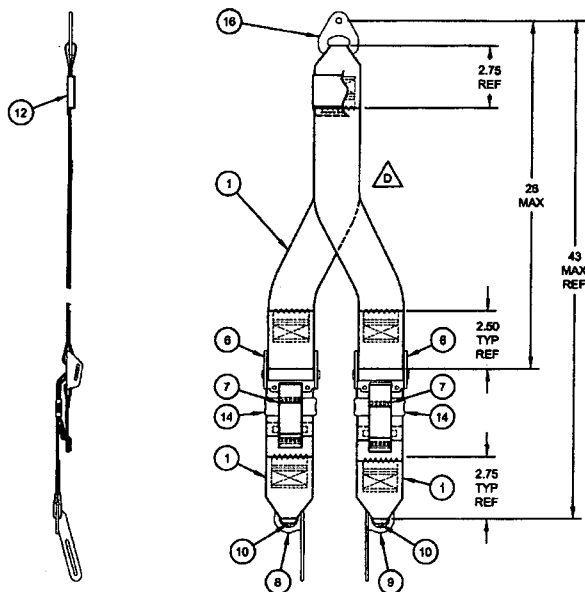
NO. 118914

ML5
1405-07

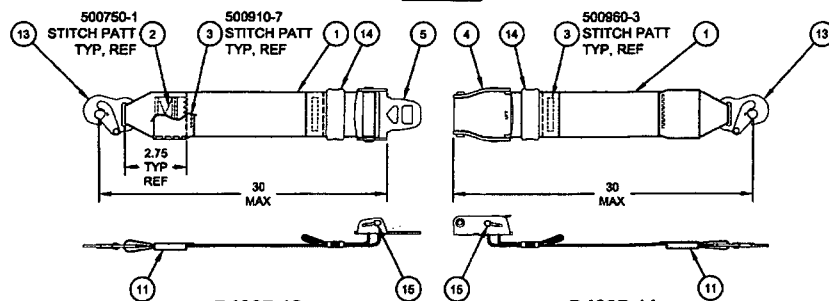
RELEASED
2013-04-02

D	DELETED STITCHING - PICTORIAL CHANGE ONLY (ZN D6-2) AS PER NCR13-2237	SFM	13.01.23
C	16 MAX WAS 10 MAX. 17 MAX WAS 23 MAX. 30 MAX WAS 24 MAX (4 PL). 26 MAX WAS 20 MAX UPDATE AMSAFE PART NUMBERS.	RP	12.05.01
B	3.000 TYP WAS 2.000 TYP (ZN D6-1) (REF. NCR11-644)	MB	11.08.07
A	NEW ISSUE (REF. CAR10-011)	MB	11.05.02
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	SFM		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.		DRAWING NO.	REV. D
		DSC-D4387	SHEET 1 OF 2
		TITLE	SCALE
		HARNESS ASSEMBLY	NTS
DATE	13.01.23	COPYRIGHT © 2011 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSES OR COPIED OR REPRODUCED IN ANY FORM OR BY ANY MEANS WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

SPECIFICATION CONTROL DRAWING



D4387-9



D4387-13

D4387-11

D4387-043 HARNESS ASSEMBLY

ITEM	QTY -043	QTY -9	QTY -11	QTY -13	DART P/N	DESCRIPTION	AMSAFE P/N OR MATERIAL P/N
	X				D4387-043	HARNESS ASSEMBLY	4173-2-031-2396
1		X			D4387-9	SHOULDER STRAP	4173-2110312396
1			X		D4387-11	BUCKLE HALF	4173-2070312396
1				X	D4387-13	CONNECTOR HALF	4173-2090312396
1	A/R	A/R	A/R			WEBBING, POLYESTER	T1200-5
2	A/R	A/R	A/R			THREAD	207
3	A/R	A/R	A/R			THREAD	69
4			1			BUCKLE ASSY	502750-401
5				1		CONNECTOR ASSY	504459-417-72
6		2				ADJUSTER ASSY	503050-409
7		2				PULL TAB	500978-425
8		1				ADAPTER, HARNESS	505122-2-72
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10		2				INSERT	AFG0568293
11			1	1		LABEL	447664
12		1				LABEL	447664
13		2	1	1		HOOK ASSY	502737-441-72
14			1	1		WEB SLIDE	503964-1
15			2	2		PLUG	502913
16		1				END FITTING	501743-21-72

NOTES:

- 1) PURCHASE: D4387-043/-9/-11/-13 FROM AMSAFE INC., Phoenix, AZ.
- 2) FINISH: N/A
- 3) TOLERANCES: .XX ±0.25
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: USE PLASTIC ENGRAVED TAGS AND LABEL PER FAR 21.607 TO CONTAIN THE FOLLOWING AT MINIMUM:
MANUFACTURER P/N: 4173-2-031-2396
CUSTOMER P/N: D4387-043
RATED: 3000 LBS DATE OF MANUFACTURER
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 1.85 lb
- 8) INDICATED DIMS ARE FULLY EXTENDED LENGTHS

RELEASED
2013-04-02

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	SRM		
CHECKED		DRAWING NO.	REV. D
MFG. APPR.		DSC-D4387	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		HARNESS ASSEMBLY	NTS
DATE	13.01.23	COPYRIGHT © 2011 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR CONVEYED OR DISCLOSED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO24148**

Purchase Order Date 5/9/2014

PO Print Date 5/9/2014

Page Number 1 of 2

Order From :

VU-AMS001

Ship To : DART AEROSPACE LTD

AMSAFE INC.
1043 NORTH 47TH AVENUE
PHOENIX, AZ 85043
US

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FIXED
05/14/2014

Contact Name

Vendor Phone 602 850 2850

Ship To Contact

Ship To Phone

Ship Via: FedEx PI collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

USD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extend Pri
1	4173-2-031-2396 AS PER DWG D4387 REV. D B118914 AMSAFE PN: 4173-2-031-2396	Harness Assembly	5/30/2014 Yes 5/30/2014		8.00 Each	\$266.96	\$2,135.6
						Line Total:	\$2,135.6
3	4192-1-021-2396 AS PER DWG D4387 REV.D B118845	Harness Assembly	5/30/2014 Yes 5/30/2014		12.00 Each	\$266.12	\$3,193.4
						Line Total:	\$3,193.4

Note:

5/9/2014

AmSafe

1043 North 47th Avenue
PHOENIX, AZ 85043
PH (602)850-2850 FAX (602)278-3479

INVOICE

Please remit to:
AmSafe, Inc.
Lockbox 911928
P.O. Box 31001-1928
Pasadena, CA 91110-1928

*** DUPLICATE ***

Customer No.	Invoice Date	Sales Order Number	Invoice Number	Purchase Order Number	Page No.
10006113	05/30/14	S279782	I337443	PO24148	1

BILL TO: DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
Canada

SHIP TO: DART AEROSPACE LTD.
1270 ABERDEEN ST
HAWKESBURY,, ON K6A 1K7
Canada

SOLD TO: DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
Canada

REMARKS:
1517-9324-0

Freight

COLLECT

COMMENTS:

A004 - FAA-PMA/TSO
A005 - RIGHT OF ENTRY
A007 - FIRST ARTICLE INSPECTION BY SELLER & MAINTAINED BY SELLER
A016 - PERSONAL QUALIFICATION
A026 - CERTIFICATION OF MATERIAL CONFORMANCE
A040 - NOTIFICATION OF QUALITY ESCAPE
A041 - QUALITY MANAGEMENT SYSTEM
A042 - DART NOTIFICATION BY SUPPLIER
*

TERMS NET30	ORDER DATE 05/10/14	SALESPERSON HEITZMAN	SHIP DATE 05/30/14	SHIP VIA FedEx P1 10:30 AM TRACKING # 605621487142	FOB POINT ORIGIN		
LINE NO.	ITEM	DESCRIPTION	UM	QUANTITY LOT	T A X	UNIT PRICE	EXTENDED AMOUNT
1	4173-2-031-2396	DRAWING: 4173 REV: F REST SYS ASSY WO/IR S279782-1	EA	0.0	8.0 N	266.96 USD	2,135.68 USD
2	4192-1-021-2396	DRAWING: 4192 REV: E REST SYS ASSY WO/IR	EA	S279782-2 0.0	8.0 N	266.12 USD	2,128.96 USD

TSO-C114

TSO-C114

Non-Taxable: 4,264.64 USD

Line Total: 4,264.64 USD

Total Taxable:

The undersigned, exporter/supplier of goods listed in this invoice/document, declares that according to the rule being valid in the European Union, the origin of these goods is the United States of America.

Signature: *Jesse Ochawa* Date: *MAY 30 2014* Phoenix, Arizona, USA

Sales Tax: Total: 4,264.64 USD

AmSafe, Inc.
Terms and Conditions of Sale

1. ACCEPTANCE

Orders are accepted subject to when available and at Seller's price in effect at the date of acceptance of the order. Orders will be processed with every effort to meet the required shipping date, but the Seller is not obligated to make delivery at any specified date nor liable for damage due to delay in filling the order. Specified shipping dates are our best estimates but are not guarantees, and the Buyer is at liberty to cancel for unreasonable delays, by written notice to Seller, unless the order is of special processing and stated as non-cancelable.

2. PRICES AND TERMS OF PAYMENT

Unless otherwise indicated, our terms are net cash within thirty (30) days from the date of invoice. Interest at the rate of eighteen percent (18%) per annum will be charged on unpaid accounts after thirty (30) days from the date of invoice. In any action to collect an unpaid account, Buyer will pay all Seller's cost, including a reasonable attorney's fee. No sales, use or similar taxes have been included in our price. Such taxes, if payable on deliveries hereunder, will be for the account of the purchaser.

3. FREIGHT TERMS

All shipments are F.O.B. shipping point unless otherwise stated herein. In the absence of shipping instructions, we will determine method of shipping and carrier.

We are not responsible for material after delivery to the transportation company. Evidence of the shortage or damage should be noted on shipping documents before any receipt is signed.

4. PACKAGING AND SPECIAL HANDLING

No extra charge will be made for packaging and packing required for domestic shipment. Special packaging or special handling expense will be added to the invoice unless such charges have been included in the price quoted.

5. RESPONSIBILITY FOR UNFORSEEN CONTINGENCIES

The Seller will not be responsible for loss due to war, fire, flood, strike, labor troubles, accident, riot, act of Government authority, act of God, or other contingencies beyond the control of the parties, interfering with production, supply, or source of raw materials affecting this order.

6. RETURNED GOODS

Goods will not be accepted for return or credit unless so authorized by us. Materials returned for credit will be subject to handling charges covering necessary re-inspection and restocking.

7. QUANTITY

Every effort will be made to ship the quantity specified on this order, subject to over-runs up to 5% that will be billed prorata.

8. WARRANTY

The workmanship, material, and performance of our products is warranted to be commensurate with the levels established in the applicable documents or specifications referenced on this order and issued by public or private bodies with duly constituted authority and in the absence of specific reference to such documents of specifications to conform with the best commercial practice.

If reported defects in material or workmanship are substantiated by us, such parts and material as are affected will be replaced. Under all circumstances the Buyer must give notice of any quantity or quality deficiency to the Seller within thirty (30) days following receipt and failure to do so shall be deemed a waiver by the Buyer with respect thereto.

Our liability is expressly limited to furnishing of such replacement parts or materials and cannot be extended to damages, expense, or loss arising from the use of, or inability to use, our products.

This warranty is limited to defects which arise within one (1) year of the date of sale. THE WARRANTIES, OBLIGATIONS AND LIABILITIES, EXPRESS OR IMPLIED, AND ALL OTHER RIGHTS, CLAIMS AND REMEDIES OF BUYER SET FORTH IN THESE TERMS ARE EXCLUSIVE AND IN SUBSTITUTION FOR, ALL OTHER WARRANTIES, OBLIGATIONS AND LIABILITIES ARISING BY LAW OR OTHERWISE, WITH RESPECT TO ANY NONCONFORMANCE OR DEFECT IN THE GOODS OR SERVICES PROVIDED UNDER ANY ORDER, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS; ANY IMPLIED WARRANTY ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING OR USAGE OF TRADE; ANY OBLIGATION, LIABILITY, RIGHT, CLAIM OR REMEDY ARISING FROM THE NEGLIGENCE OF SUPPLIER OR ANY MANUFACTURER OF AIRCRAFT INCORPORATING THE PRODUCTS; AND ANY OBLIGATION, LIABILITY, RIGHT, CLAIM OR REMEDY FOR LOSS OR DAMAGE TO ANY AIRCRAFT.

9. GOVERNMENTAL REGULATIONS

Shipment and delivery are subject to any United States or foreign legal requirements, which may prevent, delay or interfere with fulfillment of this order.

Buyer will comply with all applicable United States and foreign laws and regulations governing the export or re-export of all product(s), including without limitation the U.S. Export Administration Regulations, the International Traffic in Arms Regulations and any regulations administered by the Department of the Treasury's Office of Foreign Assets. Without limiting the generality of the foregoing, Buyer will not export or re-export, directly or indirectly, any product(s) to Cuba, Iran, Iraq, Libya, Syria, Sudan or North Korea.

10. INDEMNITY

Buyer hereby indemnifies and holds Seller harmless in the event of any claim, demand, suit, cause of action, proceeding, award, judgment or liability against Seller, including, without limitation, attorney's fees, based upon, arising out of or in any way related to: any negligent act or omission by Buyer or any of its agents, contractors, servants or employees, including without limitation, (1) claims that the product(s) failed to meet any specification provided by the Buyer and (2) claims arising out of Buyer's non-compliance with any applicable governmental law or regulation with respect to the export, re-export or importation of the product(s). For purposes of this Agreement "claims" shall include, but not be limited to, litigation or arbitration.

11. LIMITATION

NEITHER SELLER NOR ANY MANUFACTURER OF AIRCRAFT WILL HAVE ANY OBLIGATION OR LIABILITY, WHETHER ARISING IN CONTRACT, TORT OR OTHERWISE, FOR LOSS OF USE, REVENUE OR PROFIT OR FOR ANY OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES WITH RESPECT TO ANY NONCONFORMANCE OR DEFECT IN THE GOODS OR SERVICES PROVIDED UNDER ANY ORDER.

AmSafe

1043 NORTH 47th AVENUE
PHOENIX, AZ 85043
PH (602)850-2850 FAX (602)850-2812

SHIPPER/CERTIFICATION



CUSTOMER NO.
10006113

SALES ORDER NO.
S279782

BOL NO.
000336468

DATE PRINTED
05/30/14

PAGE NO.
1

DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY
HAWKESBURY, ON K6A 1K7
Canada

DART AEROSPACE LTD.
1270 ABERDEEN ST
HAWKESBURY,, ON K6A 1K7
Canada

Ship to ID: 10006125

CUSTOMER ORDER NO.
PO24148

TERMS
NET30

FREIGHT
COLLECT

SHIP VIA
FedEx P1 10:30 AM

F.O.B.
ORIGIN

Sales Order Remarks: 1517-9324-0

SHIPMENT REFERENCE 000336468

Remarks:

A004 - FAA-PMA/TSO
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A007 - FIRST ARTICLE INSPECTION BY SELLER & MAINTAINED BY SELLER
A016 - PERSONAL QUALIFICATION
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A042 - DART NOTIFICATION BY SUPPLIER

LINE	ITEM NUMBER / DESCRIPTION	DRAWING AND CERTIFICATIONS	DUE DATE	QTY ORDERED	QTY SHIPPED	QTY BACK ORDERED
1	4173-2-031-2396 REST SYS ASSY WO/IR	DRAWING: 4173 REV: F CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity S279782-1	2014-05-30	8 Expire Ref. 8.0	8 8	
2	4192-1-021-2396 REST SYS ASSY WO/IR	DRAWING: 4192 REV: E CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity S279782-2	2014-05-30	8 Expire Ref. 8.0	8 8	

I certify that the article(s) listed above conform to all applicable design data, and (as applicable):

FAA PMA, FMVSS 209, FMVSS 302, 14 CFR 25.853

FAA TSO C22f, C22g, C114 or TSO Plus

The conditions and tests required for TSO approval of the article(s) are minimum performance standards. It is the responsibility of those installing the article(s) either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the standards applicable to the TSO article including (when applicable) the integrated non-TSO function. The non-TSO function is described as the seat belt airbag system including the inflator cable assembly and electrical components that have not been evaluated for functionality or installation requirements. TSO articles including the integrated non-TSO function must have separate approval for installation in an aircraft. The article(s) may be installed only if performed under 14 CFR part 43 or the applicable airworthiness requirements. Product shipped meets all material, processing and test requirements. Certifications/Test reports as applicable are retained on file at AmSafe Aviation.

AmSafe Authorized Signature: X

Jesse Ochoa

MAY 30 2014

Printed Name:

Jesse Ochoa

Dated: ___/___/___

COUNTRY OF ORIGIN USA

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: S279782 - 1 - HG	
4. Organization Name and Address: AmSafe, Inc. 1043 North 47th Avenue Phoenix, Arizona 85043				5. Work order/Contract/Invoice Number: S279782 - 1 0 PAGES ATTACHED	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	REST SYS ASSY WO/IR	4173-2-031-2396	8	N/A	NEW
12. Remarks: Drawing: 4173 Rev: F TSO: TSO-C114 DATE CODE: A0514 					
EXPORT AIRWORTHINESS APPROVAL: THIS ARTICLE MEETS THE SPECIAL REQUIREMENTS OF CANADA					
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature: 		13c. Approval/Authorization No.: ODA602112NM		14b. Authorized Signature	
13d. Name (typed or printed): HOPE GONZALEZ		13e. Date (dd/mm/yyyy): 30/MAY/2014		14c. Authorized/Certificate No.	
				14d. Names (typed or printed)	
				14e. Date (dd/mm/yyyy):	
User/Installer Responsibilities					
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.</p> <p>Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p>					